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**Maintenance**

**CRASH AND RECOVERY**



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This instruction implements Air Force Policy Directive (AFPD) 21-1, *Managing Aerospace Equipment Maintenance*. It assigns responsibilities and outlines procedures for implementing an effective crash recovery program. It establishes procedures to follow in the event of a crash of 442d owned aircraft. These procedures apply to all maintenance personnel assigned to the 442d Fighter Wing. Supervisors, superintendents, and flight chiefs are responsible for ensuring compliance with this instruction.

**1. Responsibilities.** The 442d Logistics Group Commander or his designated representative, Maintenance Squadron Superintendent, Wing Operations Supervisor, and Accessory Maintenance Flight Chief will ensure immediate compliance with this instruction upon notification of a crash. When requested, the Repair and Reclamation (R&R) Shop has the responsibility to provide for the recovery and reclamation of equipment and damaged or crashed aircraft that is within their capability. Prime consideration would be to, reopen the runway for operational use, prevention of secondary damage, and preservation of evidence for accident investigation.

1.1. Maintenance Control Center (MCC) will provide the following:

1.1.1. Will maintain a listing of all crash recovery team personnel with their home phone numbers.

1.1.2. Coordination between the squadron maintenance complex and other base crash rescue agencies (509<sup>th</sup> Bomb Wing).

1.1.3. Provide direction within the squadron maintenance complex to implement this 442 Fighter Wing Instruction 21-121.

1.2. The Maintenance Squadron Commander or designated representative will be the on-scene commander.

1.3. Accessory Maintenance Flight Chief will:

- 1.3.1. Establish crash recovery crew rosters, which will be on file in the Wing Operations Center, and will be published in the Weekly Flying Schedule.
- 1.3.2. A non-tactical radio for the crash recover team.
- 1.4. The R&R supervisor will:
  - 1.4.1. Be designated as the recovery team leader and the team will consist of personnel from the R&R shop. Personnel from the maintenance complex as needed may augment this team.
  - 1.4.2. Establish and maintain crash recover procedures.
  - 1.4.3. Be the certifying official for crash recovery team and maintain documentation of all training in the Core Automated Maintenance System (CAMS) database. Required training will be accomplished semi-annually.
  - 1.4.4. Will determine the equipment needed for crash recovery operations for A-10 aircraft.
  - 1.4.5. The equipment will be maintained in a constant state of readiness and inspected in accordance with applicable directives for serviceability before and after each exercise. Additionally, equipment inspections will be accomplished at least quarterly. All discrepancies will be documented and repaired immediately.
- 1.5. The 509<sup>th</sup> Transportation Section will provide the following vehicles/equipment:
  - 1.5.1. Truck, general purpose, for recovery crew transportation.
  - 1.5.2. Truck tractor for towing semi-trailer.
  - 1.5.3. Semi-trailer to transport crash recovery support equipment.
  - 1.5.4. 40-foot semi-trailer for recovery of damaged equipment/aircraft as needed.
  - 1.5.5. Forklift (at least ten ton) to handle moving air bags, etc.
  - 1.5.6. Ensure coordination through the Crash Recovery Officer to have the 509<sup>th</sup> Bomb Wing provide a 50-ton lifting crane for removal of an A-10 aircraft.

## **2. Procedures:**

- 2.1. The Senior Maintenance Command Center (MCC) Representative will:
  - 2.1.1. Maintain a written log of all-significant facts and occurrences that take place during each crash recovery operation.
  - 2.1.2. Notify the Logistics Group Commander or designated representative to act as the On-Scene-Commander.
  - 2.1.3. Notify Fighter Squadron Maintenance OIC/Superintendent.
  - 2.1.4. Notify Quality Assurance Supervisor.
  - 2.1.5. Notify Maintenance Squadron Superintendent.
  - 2.1.6. Notify Accessory Maintenance Flight Chief.
  - 2.1.7. Notify Flight Line Maintenance Expeditor.

2.1.8. Notify and assemble the crash recovery team and equipment from the R&R shop in Building 1117.

2.1.9. Notify other work centers, crash recovery augmentees when informed of a need for additional personnel by on-scene maintenance representatives.

2.1.10. Assemble emergency tow team with MB-4 tow tractor and tow bar.

2.1.11. Notify 509<sup>th</sup> Transportation section of probable need to expedite crash recovery vehicles and special equipment. A five-ton tractor and trailer will be required to deliver equipment to crash site.

2.2. FSM will:

2.2.1. Impound the oxygen servicing cart, hydraulic service cart and request supply obtain and analyze samples.

2.2.2. Obtain the military specifications and lot numbers of oil and hydraulic fluids from which aircraft was serviced.

2.3. Quality Assurance will:

2.3.1. Consolidate all maintenance records as listed and impound them.

2.3.2. AFTO Form 95, Significant Historical Data, includes aircraft and engine records.

2.3.3. Time Compliance Technical Order (TCTO) records aircraft and engine.

2.3.4. Functional Check Flight (FCF) Forms.

2.3.5. CAMS Repair History Data for past 90 days.

2.3.6. DD Form 365 series, Record of Weight and Balance Personnel.

2.3.7. Aircraft Deficiency Analysis Report.

2.3.8. Debriefing Forms.

2.3.9. DD Form 2026, Oil Analysis Request.

2.3.10. Coordinate with Operations where all records will be consolidated by the interim accident investigation board.

2.4. The On-Scene Maintenance Representative will:

2.4.1. Report to the disaster response assemble point.

2.4.2. Request additional support from Maintenance Command Center regarding any shortages in crash recovery personnel or equipment.

2.4.3. Proceed to crash site, when Base Officials have released the site and coordinate crash recovery operations with the On-Scene Commander.

2.5. Crash Recovery Team will:

2.5.1. Assemble at East side of Building/Hangar 1117.

2.5.2. Recovery operations will begin only upon direction of Base Officials.

2.5.3. When directed by Maintenance Command Center On-Scene Maintenance Representative, proceed to crash site.

2.5.4. Provide all possible assistance to the On-Scene Commander.

2.5.5. The Crash Recovery Team Leader will have complete control of the recovery operations. Ensure all fire, safety and explosive hazards have been eliminated before working on the damaged aircraft.

CHARLES E. STENNER, JR., Colonel, USAFR  
Commander

**Attachment 1**

**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION**

***References***

AFPD 21-1--*Managing Aerospace Equipment Maintenance*

T.O. 1A-10A-3-1--*Structural Repair*

AFRCI 21-101--*Aircraft Maintenance Guidance and Procedures*

AFMAN 32-4004--*Emergency Response Operations*

AFMAN 32-4005--*Personnel Protection and Attack Actions*

AFI 32-4001--*Disaster Preparedness Planning and Operations*